

S
628.55
M26msve
March 1992

ENVIROCON, INC.

101 INTERNATIONAL WAY
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MISSOULA, MONTANA 59807
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PLEASE RETURN ENVIROCON, INC.

May 18, 1992
ENV #140101C09

Solid and Hazardous Waste Bureau
Montana Department of Health and
Environmental Sciences
Cogswell Building
Helena, Montana 59620

STATE DOCUMENTS COLLECTION

JUN 02 1992

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HELENA, MONTANA 59620

Attention: Mr. John Wadhams

Subject: March 1992 Monthly Soil Vapor Extraction Report

Dear John:

Burlington Northern Railroad, through its contractor Envirocon, Inc., operated six soil vapor extraction (SVE) systems during March 1992. These systems are located at the Electric Shop, the transfer pit manways, the Locomotive Shop manways, the in-line grit chamber, the Waste Water Treatment Plant (WWTP) compound, and the WWTP sump. This monthly report summarizes operations of the systems through early April 1992. The SVE system at the cinder pile began operating in early April 1992 and is not part of this report. Included with this letter are laboratory air sample results for the influent and effluent air streams of the carbon units and tables totalling the mass of recovered VOCs through the period that sample results are available.

Table 1.0 summarizes air sample results for samples taken March 2 through April 3, 1992. The values shown represent total volatile responses. No individual VOCs were detected in any of the samples taken between carbon units or in the discharge to the atmosphere. Energy Laboratories reported 123 mg/m³ of unidentified VOCs in the effluent from the Locomotive Shop carbon units (Sample 140101-SG-120 on Table 1.0). This detection is suspect because no individual chlorinated or non-chlorinated VOCs were detected in this sample or in the sample taken the same day



MONTANA STATE LIBRARY

S 628.55 M26msve 1992 c.2
Monthly soil vapor extraction report.



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Mr. John Wadhams
May 18, 1992
Page Two

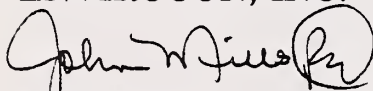
between the carbon units. Previous influent samples from the Locomotive Shop SVE system have shown very close correlation between the total volatile response and the combined concentrations of individually identified VOCs. Energy Laboratories has indicated that the detected VOCs were short straight-chain hydrocarbons similar to diesel fuel. The concentrations of individual VOCs detected in the influent and effluent samples are shown on the laboratory results compiled in Appendix A. The SVE riser locations at all of the systems are shown on Figures 1.0, 2.0, and 3.0.

Tables 2.0 through 7.0 summarize the mass of recovered VOCs for each operating SVE system between early March and early April 1992. Recovery is calculated by multiplying the vapor stream concentration from the sample results by the air flow rate measured at each system and the number of days of operation per period of calculation. Each period of calculation correlates to one vapor stream sample result. One thousand one hundred seventy-four pounds of total VOCs have been recovered since the beginning of SVE operations through this reporting period. This includes 818 pounds of chlorinated solvents, as identified by EPA Method 524.2, and 356 pounds of VOCs not specifically identified by EPA Method 524.2. Energy Laboratories has indicated that the VOCs not specifically identified by Method 524.2 are C-9 to C-12 branch-chain hydrocarbons, typical of diesel fuel.

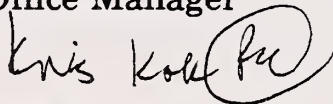
Please contact me in Livingston if you have any questions or comments.

Sincerely,

ENVIROCON, INC.



John Mills
Office Manager



Kris Kok
Project Manager

Enclosures

cc: Mel Burda
Dennis Iverson
Steve Pilcher
Joe Michaletz
Envirocon, Inc

04.rpt



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TABLES

TABLE 1.0

SVE SAMPLE RESULTS

Sample Number	Sample Date	SVE System	Total VOCs (mg/m3)		
			Influent to Carbon Units	Between Carbon Units	Discharge to Atmosphere
140101-SG-084	3/1/92	WWTP Compound	198		
140101-SG-085	3/1/92	Inline Grit Chamber	1360		
140101-SG-086	3/1/92	Locomotive Shop	358		
140101-SG-087	3/6/92	WWTP Compound			<30
140101-SG-088	3/6/92	WWTP Compound		<30	
140101-SG-089	3/6/92	WWTP Compound	228		
140101-SG-090	3/6/92	Locomotive Shop			<30
140101-SG-091	3/6/92	Locomotive Shop		<30	
140101-SG-092	3/6/92	Locomotive Shop	183		
140101-SG-093	3/6/92	Inline Grit Chamber			<30
140101-SG-094	3/6/92	Inline Grit Chamber		<30	
140101-SG-095	3/6/92	Inline Grit Chamber	2800		
140101-SG-096	3/6/92	Electric Shop	72		
140101-SG-097	3/7/92	Electric Shop		<30	
140101-SG-098	3/7/92	Electric Shop			<30
140101-SG-099	3/9/92	Electric Shop	60		
140101-SG-100	3/20/92	WWTP Compound	201		
140101-SG-101	3/20/92	Inline Grit Chamber	2443		
140101-SG-102	3/20/92	Locomotive Shop	94		
140101-SG-103	3/20/92	Electric Shop TPM	575		
140101-SG-104	3/20/92	Electric Shop	1212		
140101-SG-105	3/31/92	Electric Shop		<30	
140101-SG-106	3/31/92	Electric Shop			<30
140101-SG-107	4/1/92	Electric Shop TPM	126		
140101-SG-108	4/1/92	Electric Shop	424		
140101-SG-110	4/3/92	WWTP Compound		<30	
140101-SG-111	4/3/92	WWTP Compound			<30
140101-SG-112	4/3/92	WWTP Compound	206		
140101-SG-113	4/3/92	Inline Grit Chamber			<30
140101-SG-114	4/3/92	Inline Grit Chamber		<30	
140101-SG-115	4/3/92	Inline Grit Chamber	878		
140101-SG-116	4/3/92	Locomotive Shop		<30	
140101-SG-117	4/3/92	Locomotive Shop	68		
140101-SG-120	4/3/92	Locomotive Shop			123

IN-LINE GRIT CHAMBER SVE RESULTS

Dates	Number of Days	Extraction Risers in Use	Carbon Units In Use	Compounds Recovered	Sample Results (mg/m3)	Air Veelocity (ft/min)	Air Flow Rate (ft3/min)	VOCs Removed (#/day)	VOCs Removed (#/period)	Total VOCs (#/period)	
2/26-2/28/92	1.9	VE-4, VE-5, VE-6,Grit Chamber	B,I	Total VOCs	2080	5490	119.7	22.7		43.0	
	1.9			CB	800		119.7	8.7			16.6
	1.9			1,2-DCB	200		119.7	2.2			4.1
	1.9			1,4-DCB	32.5		119.7	0.4			0.7
	1.9			1,3-DCB	16.2		119.7	0.2			0.3
	1.9			2-CT	10.9		119.7	0.1			0.2
	1.9			PCE	5.1		119.7	0.1			0.1
	1.9			Xylenes	4.5		119.7	0.0			0.1
	1.9			cis-DCE	4.4		119.7	0.0			0.1
	1.9			1,2,4-TMB	3.4		119.7	0.0			0.1
2/29-3/2/92	2	VE-6, Grit Chamber	B,I	Total VOCs	1360	5670	123.6	15.3		30.6	
	2			CB	710		123.6	8.0			16.0
	2			1,2-DCB	234		123.6	2.6			5.3
	2			1,4-DCB	33		123.6	0.4			0.7
	2			1,3-DCB	11		123.6	0.1			0.2
	2			2-CT	12		123.6	0.1			0.3
	2			PCE	2.5		123.6	0.0			0.1
	2			1,2,4-TMB	2.5		123.6	0.0			0.1
	2										
3/2-3/20/92	17.8	VE-6, Grit Chamber	I,L	Total VOCs	2800	5340	116.4	29.7		528.0	
	17.8			CB	890		116.4	9.4			167.8
	17.8			1,2-DCB	740		116.4	7.8			139.5
	17.8			1,4-DCB	150		116.4	1.6			28.3
	17.8			1,3-DCB	13		116.4	0.1			2.5
	17.8			2-CT	11		116.4	0.1			2.1
	17.8			PCE	15		116.4	0.2			2.8
	17.8			1,2,4-TMB	4.6		116.4	0.0			0.9
	17.8			Xylenes	3.5		116.4	0.0			0.7
3/20-3/27/92	7	VE-6, Grit Chamber	I,L	Total VOCs	2443	5630	122.7	27.3		191.0	
	7			CB	730		122.7	8.2			57.1
	7			1,2-DCB	872		122.7	9.7			68.2
	7			1,4-DCB	140		122.7	1.6			10.9
	7			1,3-DCB	9.8		122.7	0.1			0.8
	7			2-CT	12		122.7	0.1			0.9
	7			PCE	3.4		122.7	0.0			0.3
	7			1,2,4-TMB	3		122.7	0.0			0.2
Total VOCs Removed (2/26-4/3/92)									527.8	792.6	

TABLE 2.0 (cont.)

IN-LINE GRIT CHAMBER SVE RESULTS

Dates	Number of Days	Extraction Risers In Use	Carbon Units in Use	Compounds Recovered	Sample Results (mg/m3)	Air Velocity (ft/min)	Air Flow Rate (ft3/min)	VOCs Removed (#/day)	VOCs Removed (#/period)	Total VOCs (#/period)
3/27-4/3/92	7	VE-6, Grit Chamber	I,L	Total VOCs	878	5630	Totals from page one:		527.8	792.6
	7			CB	128		122.7	9.8	10.0	
	7			1,2-DCB	280		122.7	1.4	21.9	
	7			1,4-DCB	32		122.7	3.1	2.5	
	7			1,3-DCB	7		122.7	0.4	0.5	
	7			2-CT	10		122.7	0.1	0.8	
	7			PCE	3.4		122.7	0.1	0.3	
	7									
Total VOCs Removed (2/26-4/3/92)									563.8	861.2

Note:

Total VOCs = Total Volatile Organic Compounds

CB = Chlorobenzene

1,2-DCB = 1,2-Dichlorobenzene

1,4-DCB = 1,4-Dichlorobenzene

1,3-DCB = 1,3-Dichlorobenzene

2-CT = 2-Chlorotoluene

PCE = Tetrachloroethene

cis-DCE = cis-1,2-Dichloroethene

1,2,4-TMB = 1,2,4-Trimethylbenzene

TABLE 3.0

LOCOMOTIVE SHOP SVE RESULTS

Dates	Number of Days	Extraction Risers In Use	Carbon Units In Use	Compounds Recovered	Sample Results (mg/m3)	Air Velocity (ft/min)	Air Flow Rate (ft3/min)	VOCs Removed (#/day)	VOCs Removed (#/period)	Total VOCs (#/period)
2/26-2/28/92	1.9	VE-11,VE-12,	H,M	Total VOCs	681	5850	127.5	7.9	13.7	15.0
	1.9	VE-28,VE-29,		PCE	620		127.5	7.2		
	1.9	VE-30		TCE	10		127.5	0.1		
	1.9			cis-DCE	25		127.5	0.3		
	1.9			Chloroform	4.5		127.5	0.1		
2/29-3/2/92	2	VE-11,VE-12,	H,M	Total VOCs	358	5850	127.5	4.2	8.1	8.3
	2	VE-28,VE-29,		PCE	350		127.5	4.1		
	2	VE-30		TCE	3.1		127.5	0.0		
	2			cis-DCE	5.1		127.5	0.1		
3/2-3/16/92	13.7	VE-11,VE-12,	H,M	Total VOCs	183	5760	125.6	2.1	28.2	28.6
	13.7	VE-29,VE-30		PCE	180		125.6	2.1		
	13.7			cis-DCE	3.1		125.6	0.0		
3/16-3/27/92	11	VE-11,VE-28,	H,M	Total VOCs	94	6000	130.8	1.1	12.3	12.3
	11	VE-30		PCE	94		130.8	1.1		
3/28-4/3/92	7	VE-11,VE-28,	H,M	Total VOCs	68	6000	130.8	0.8	5.7	5.7
	7	VE-30		PCE	68		130.8	0.8		
Total VOCs Removed (2/26-4/3/92)									69.5	69.9

Note:

Total VOCs = Total Volatile Organic Compounds

PCE = Tetrachloroethene

TCE = Trichloroethene

cis-DCE = cis-1,2-Dichloroethene

TABLE 4.0

MAIN GRIT-CHAMBER COMPOUND SVE RESULTS

Dates	Number of Days	Extraction Risers in Use	Carbon Units in Use	Compounds Recovered	Sample Results (mg/m3)	Air Velocity (ft/min)	Air Flow Rate (ft3/min)	VOCs Removed (#/day)	VOCs Removed (#/period)	Total VOCs (#/period)	
2/26-2/28/92	1.9	VE-1,VE-2, VE-3	A,Q	Total VOCs	227	5670	123.6	2.6		4.9	
	1.9			cis-DCE	150		123.6	1.7			3.2
	1.9			PCE	32		123.6	0.4			0.7
	1.9			TCE	30		123.6	0.3			0.6
	1.9			CB	15		123.6	0.2			0.3
2/29-3/6/92	7	VE-1,VE-2, VE-3	A,Q	Total VOCs	198	5700	124.3	2.2		15.7	
	7			cis-DCE	96		124.3	1.1			7.6
	7			PCE	29		124.3	0.3			2.3
	7			TCE	27		124.3	0.3			2.1
	7			CB	14		124.3	0.2			1.1
3/6-3/20/92	12.9	VE-1,VE-2, VE-3	A,Q	Total VOCs	228	5670	123.6	2.6		33.1	
	12.9			cis-DCE	104		123.6	1.2			15.1
	12.9			PCE	42		123.6	0.5			6.1
	12.9			TCE	21		123.6	0.2			3.0
	12.9			CB	12		123.6	0.1			1.7
3/20-3/27/92	7	VE-1,VE-2, VE-3	A,Q	Total VOCs	201	5445	118.7	2.2		15.2	
	7			cis-DCE	72		118.7	0.8			5.4
	7			PCE	39		118.7	0.4			2.9
	7			TCE	29		118.7	0.3			2.2
	7			CB	11		118.7	0.1			0.8
3/27-4/3/92	7	VE-1,VE-2, VE-3	A,Q	Total VOCs	206	5445	118.7	2.2		15.6	
	7			cis-DCE	51		118.7	0.6			3.9
	7			PCE	49		118.7	0.5			3.7
	7			TCE	30		118.7	0.3			2.3
	7			CB	9.8		118.7	0.1			0.7
Total VOCs Removed (2/26-4/3/92)									66.0	84.4	

Note:

Total VOCs = Total Volatile Organic Compounds

cis-DCE = cis-1,2-Dichloroethene

PCE = Tetrachloroethene

TCE = Trichloroethene

CB = Chlorobenzene

TABLE 5.0

WWTP SUMP SVE RESULTS

Dates	Number of Days	Extraction Risers In Use	Carbon Units In Use	Compounds Recovered	Sample Results (mg/m3)	Air Velocity (ft/min)	Air Flow Rate (ft3/min)	VOCs Removed (#/day)	VOCs Removed (#/period)	Total VOCs (#/period)
2/7-2/8/92	1.5	VE-31,VE-32 VE-33	J,G	Total VOCs	282	2151	187.8	4.8	2.9	7.2
	1.5			cis-DCE	112		187.8	1.9		
	1.5			trans-DCE	3.5		187.8	0.1		
	1.5			CB	3.2		187.8	0.1		
	1.5			2-CT	16		187.8	0.3		
2/9-2/10/92	1.6	VE-31,VE-32 VE-33	J,G	Total VOCs	414	2151	187.8	7.1	2.1	11.3
	1.6			cis-DCE	75		187.8	1.3		
	1.6			PCE	3.7		187.8	0.1		
	1.6			2-CT	29		187.8	0.5		
	1.6			CB	6.2		187.8	0.1		
2/24-3/12/92	14.9	VE-31,VE-32 VE-33	J,G	Total VOCs	240	1350	117.9	2.6	7.5	38.4
	14.9			cis-DCE	47		117.9	0.5		
	14.9			PCE	3.4		117.9	0.0		
	14.9			2-CT	15		117.9	0.2		
	14.9			CB	5.2		117.9	0.1		
Total VOCs Removed (2/7-2/10/92 2/24-3/12/92)									17.8	56.9

Note:

Total VOCs = Total Volatile Organic Compounds

cis-DCE = cis-1,2-Dichloroethene

trans-DCE = trans-1,2-Dichloroethene

CB = Chlorobenzene

2-CT = 2-Chlorotoluene

PCE = Tetrachloroethene

TABLE 6.0

ELECTRIC SHOP SVE RESULTS

Dates	Number of Days	Extraction Risers In Use	Carbon Units In Use	Compounds Recovered	Sample Results (mg/m3)	Air Velocity (ft/min)	Air Flow Rate (ft3/min)	VOCs Removed (#/day)	VOCs Removed (#/period)	Total VOCs (#/period)	
3/5-3/9/92	3.8	VE-19	O,P	Total VOCs	72	5850	127.5	0.8	2.6	3.2	
	3.8			PCE	60		127.5	0.7			
	3.8			TCE	7.8		127.5	0.1			0.3
	3.8			cis-DCE	4		127.5	0.0			0.2
3/9-3/11/92	2.4	VE-19	O,P	Total VOCs	60	5850	127.5	0.7	1.4	1.7	
	2.4			PCE	52		127.5	0.6			
	2.4			TCE	5		127.5	0.1			0.1
	2.4			cis-DCE	2.5		127.5	0.0			0.1
3/23-3/27/92	5	VE-18,VE-20	O,P	Total VOCs	1212	950	82.9	9.1	45.3	45.7	
	5			PCE	1200		82.9	9.1			
	5			TCE	8.1		82.9	0.1			0.3
	5			cis-DCE	3.7		82.9	0.0			0.1
3/28-4/1/92	5	VE-18,VE-20	O,P	Total VOCs	424	950	82.9	3.2	15.8	16.0	
	5			PCE	420		82.9	3.2			
	5			TCE	4.2		82.9	0.0			0.2
Total VOCs Removed (3/5-3/11/92 3/23-4/1/92)									66.6	66.6	

Note:

Total VOCs = Total Volatile Organic Compounds

PCE = Tetrachloroethene

TCE = Trichloroethene

cis-DCE = cis-1,2-Dichloroethene

TABLE 7.0

ELECTRIC SHOP TRANSFER-PIT MANWAY SVE RESULTS

Dates	Number of Days	Extraction Risers in Use	Carbon Units in Use	Compounds Recovered	Sample Results (mg/m3)	Air Velocity (ft/min)	Air Flow Rate (ft3/min)	VOCs Removed (#/day)	VOCs Removed (#/period)	Total VOCs (#/period)
3/23-3/28/92	5	VE-13	O,P	Total VOCs	575	1240	108.3	5.7	19.2	28.3
	5			PCE	390		108.3	3.8		
	5			TCE	2.5		108.3	0.0		
	5			cis-DCE	2.5		108.3	0.1		
	5			CB	180		108.3	1.8		
3/28-4/1/92	5	VE-13	O,P	Total VOCs	126	1240	108.3	1.2	6.2	6.2
	5			PCE	126		108.3	1.2		

Note:

Total VOCs = Total Volatile Organic Compounds

PCE = Tetrachloroethene

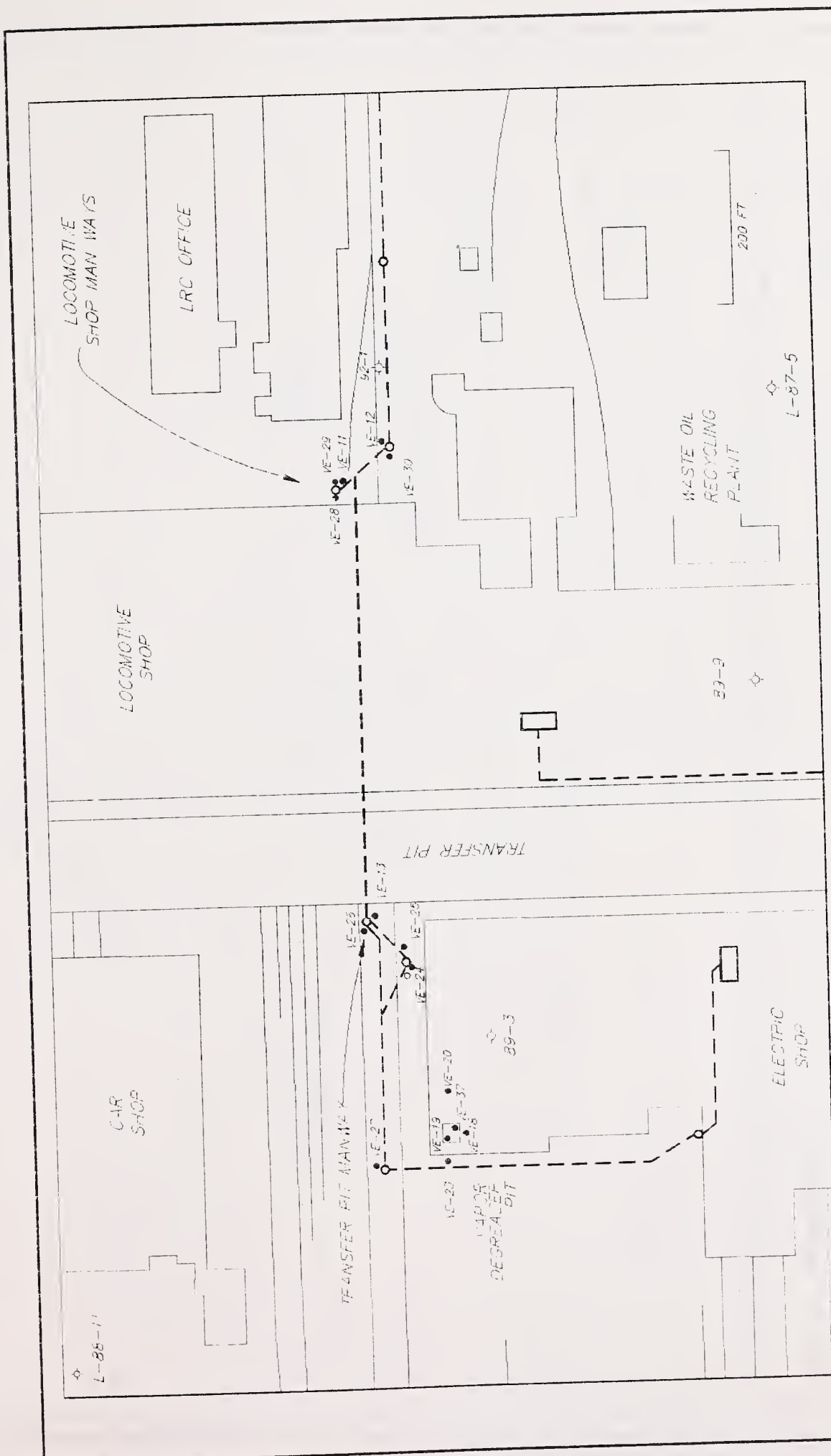
TCE = Trichloroethene

cis-DCE = cis-1,2-Dichloroethene

CB = Chlorobenzene



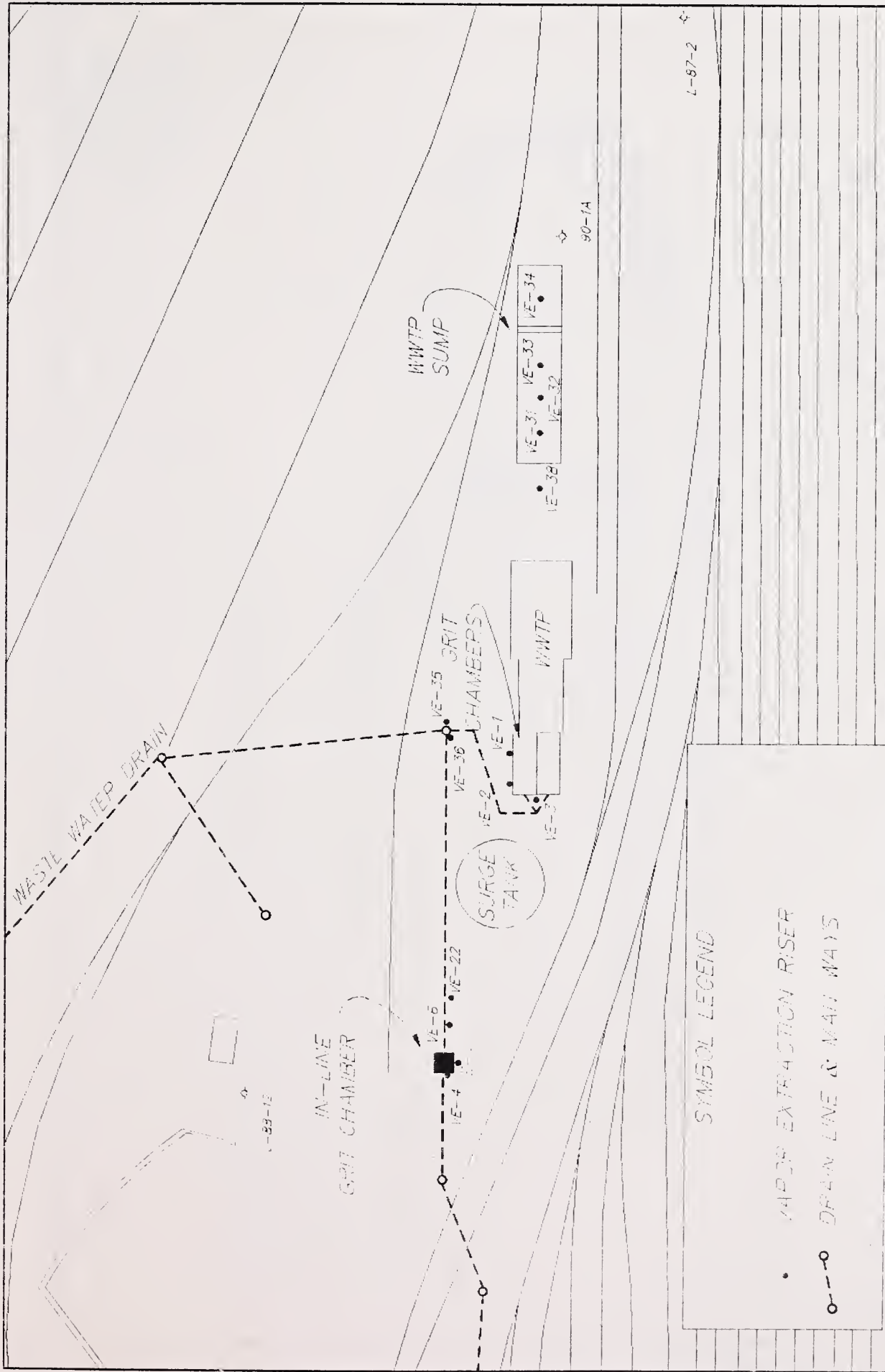
FIGURES



SYMBOL LEGEND

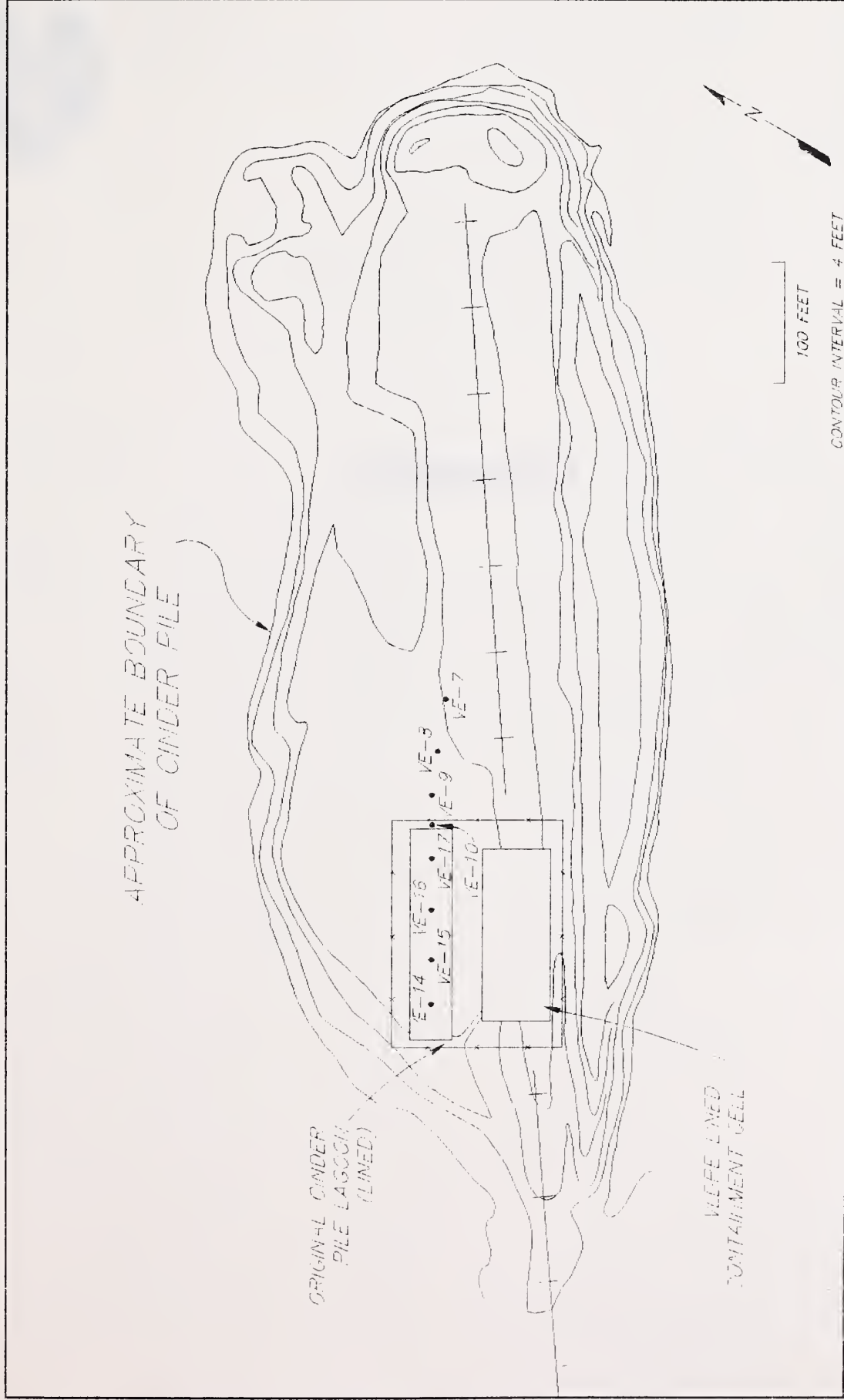
L-87-5 MONITORING WELL
 DRAIN LINE SHOWING MANWAY LOCATIONS
 EXISTING VAPOR EXTRACTION RISER

BURLINGTON NORTHERN	SOIL VAPOR EXTRACTION REPORT LIVINGSTON RAIL YARD MARCH 1992	SHOP AREA VAPOR EXTRACTION RISER LOCATIONS
ENVIROCON, INC.		
AUTOCAD FILE: SC-8.DWG.D		5/18/92
		FIGURE 1.3



<p>100 0 100</p> <p>0-100 FEET</p> <p></p>	<p>BURLINGTON NORTHERN</p>	<p>SOIL VAPOR EXTRACTION REPORT LIVINGSTON RAIL YARD MARCH 1992</p>	<p>WWTP AREA VAPOR EXTRACTION RISER LOCATIONS</p>	<p>AutoCAD FILE: SC-9.DWG_C</p>	<p>5/18/92</p>	<p>FIGURE 2.0</p>
--------------------------------------------	----------------------------	-----------------------------------------------------------------------------	-----------------------------------------------------------	---------------------------------	----------------	-------------------

ENVIROCON, INC.



SYMBOL LEGEND

- WASTE EXTRACTION REPORT
- FENCE

BURLINGTON NORTHERN

ENVIROCON, INC.

SOIL VAPOR EXTRACTION REPORT
LIVINGSTON RAIL YARD
MARCH 1992

CINDER PILE
VAPOR EXTRACTION
RISER LOCATIONS

AutoCAD FILE: SC-10.DWG.D

5/18/92

FIGURE 3.0



APPENDIX A

**ENERGY LABORATORIES, INC.**P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489**LABORATORY REPORT****TO:** Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047**LAB NO.:** 92-12236
DATE: 04/24/92 rhAIR ANALYSISLivingston/BN
140101-SG-120
Sampled 04/03/92 @ 1528
Submitted 04/07/92
Analyzed 04/15/92*Locomotive Shop
Effluent***RECEIVED**

APR 27 1992

ENVIROCON, Inc.
Livingston, Mt.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	123
1,2-Dichloropropane	< 2.5		

REMARKS: Non-target VOC response appeared to be a multiple component branched chain hydrocarbon mixture.

**ENERGY LABORATORIES, INC.**P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489**LABORATORY REPORT****TO:** Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047**LAB NO.:** 92-12233
DATE: 04/24/92 rh**AIR ANALYSIS**Livingston/BN
140101-SG-117
Sampled 04/03/92 @ 1531
Submitted 04/07/92
Analyzed 04/15/92*Locomotive Shop
Influenced***RECEIVED**
APR 27 1992
ENVIROCON, Inc.
Livingston, MT.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	68 *
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	68
1,2-Dichloropropane	< 2.5		

* Value derived from a 5x dilution of the sample.



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LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-12232
DATE: 04/24/92 rh

AIR ANALYSIS

Livingston/BN
140101-SG-116
Sampled 04/03/92 @ 1530
Submitted 04/07/92
Analyzed 04/15/92

*Decontamination Shop
Between carbon
units*

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APR 27 1992

ENVIROCON, Inc.
Livingston, Mt.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



ENERGY LABORATORIES, INC.

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LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-12231
DATE: 04/24/92 rh

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APR 27 1992

ENVIROCON, Inc.
Livingston, Mt.

AIR ANALYSIS

Livingston/BN
140101-SG-115
Sampled 04/03/92 @ 1055
Submitted 04/07/92
Analyzed 04/15/92

*Indice Brit
Chambers
Influent to
Carbon units*

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	128 *	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	10	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	3.4
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	280 *	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	7.0	Trichloroethene	< 2.5
1,4-Dichlorobenzene	32	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	878
1,2-Dichloropropane	< 2.5		

* Value derived from a 26.5x dilution of the sample.

REMARKS: Non-target VOC response appeared to be a multiple component branched chain hydrocarbon mixture.



ENERGY LABORATORIES, INC.

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LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-12230
DATE: 04/24/92 rh

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AIR ANALYSIS

Livingston/BN
140101-SG-114
Sampled 04/03/92 @ 1050
Submitted 04/07/92
Analyzed 04/15/92

*Inline H₂ chamber
Between carbon
units*

APR 27 1992

ENVIROCON, Inc.
Livingston, Mt.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		

**ENERGY LABORATORIES, INC.**

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FAX (406) 252-6069 • 1-800-735-4489

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-12230 dup
DATE: 04/24/92 rh

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QUALITY ASSURANCE - DUPLICATE ANALYSIS

Livingston/BN
140101-SG-114
Sampled 04/03/92 @ 1050
Submitted 04/07/92
Analyzed 04/15/92

ENVIROCON, Inc.
Livingston, Mt.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-12229
DATE: 04/24/92 rh

AIR ANALYSIS

Livingston/BN
140101-SG-113
Sampled 04/03/92 @ 1045
Submitted 04/07/92
Analyzed 04/15/92

*Inline Airl
Chamber
Effluent*

RECEIVED

APR 27 1992

ENVIROCON, Inc.
Livingston, Mt.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



ENERGY LABORATORIES, INC.

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FAX (406) 252-6069 • 1-800-735-4489

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-12228
DATE: 04/24/92 rh

AIR ANALYSIS

Livingston/BN
140101-SG-112
Sampled 04/03/92 @ 0925
Submitted 04/07/92
Analyzed 04/15/92

*WWTP Compound
Influent*

RECEIVED

APR 27 1992

ENVIROCON, Inc.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	9.8	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	49 *
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	30
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	51 *	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	206
1,2-Dichloropropane	< 2.5		

* Value derived from a 5x dilution of the sample.

REMARKS: Non-target VOC response appeared to be a multiple component branched chain hydrocarbon mixture.

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-12227
DATE: 04/24/92 rh

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APR 27 1992

ENVIROCON, Inc.
Livingston, MTAIR ANALYSIS

Livingston/BN
140101-SG-111
Sampled 04/03/92 @ 0920
Submitted 04/07/92
Analyzed 04/15/92

*WWTTP Airground
Effluent*

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



ENERGY LABORATORIES, INC.

P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-12226
DATE: 04/24/92 rh

AIR ANALYSIS

Livingston/BN
140101-SG-110
Sampled 04/03/92 @ 0917
Submitted 04/07/92
Analyzed 04/15/92

*DWTP Compound
Between carbon
units*

RECEIVED

APR 27 1992

ENVIROCON, Inc.
Livingston, Mt.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	7.1	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



ENERGY LABORATORIES, INC.

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MSLA

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-12224
DATE: 04/24/92 rh

AIR ANALYSIS

Livingston/BN
140101-SG-108
Sampled 04/01/92 @ 1505
Submitted 04/07/92
Analyzed 04/09/92

*Electric Shop
Rivers #13 included
shop - 2*

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	420 *
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	4.2
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	424
1,2-Dichloropropane	< 2.5		

* Value derived from a 26.5x dilution of the sample.



ENERGY LABORATORIES, INC.

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LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-12223
DATE: 04/24/92 rh

AIR ANALYSIS

Livingston/BN
140101-SG-107
Sampled 04/01/92 @ 1500
Submitted 04/07/92
Analyzed 04/09/92

*Electra Shop
TPM way
Inflight*

RECEIVED
APR 27 1992
ENVIROCON, Inc.
Livingston, Mt.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	126 *
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	126
1,2-Dichloropropane	< 2.5		

* Value derived from a 26.5x dilution of the sample.

**ENERGY LABORATORIES, INC.**P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489**LABORATORY REPORT****TO:** Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047**LAB NO.:** 92-12222
DATE: 04/24/92 rh**AIR ANALYSIS**Livingston/BN
140101-SG-106
Sampled 03/31/92 @ 1425
Submitted 04/07/92
Analyzed 04/09/92*Electric Shop
Effluent***RECEIVED****APR 27 1992****ENVIROCON, Inc.**
Livingston, Mt.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



ENERGY LABORATORIES, INC.

P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-12221
DATE: 04/24/92 rh

AIR ANALYSIS

Livingston/BN
140101-SG-105
Sampled 03/31/92 @ 1420
Submitted 04/07/92
Analyzed 04/09/92

*Electric Shop
Between 1st & 2nd
carbon unit*

RECEIVED

APR 27 1992

ENVIROCON, Inc.
Livingston, Mt.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		

**ENERGY LABORATORIES, INC.**P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489**LABORATORY REPORT****TO:** Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047**LAB NO.:** Blank
DATE: 04/24/92 rh**AIR ANALYSIS**Method Blank
Analyzed 04/15/92**RECEIVED****APR 27 1992****ENVIROCON, Inc.**
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		

**ENERGY LABORATORIES, INC.**

P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: Blank
DATE: 04/24/92 rh

AIR ANALYSIS

Method Blank
Analyzed 04/09/92

RECEIVED
APR 27 1992
ENVIROCON, Inc.
Livingston, Mt.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



ENERGY LABORATORIES, INC.

P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489

RECEIVED

APR 27 1992

ENVIROCON, Inc.
Livingston, MT

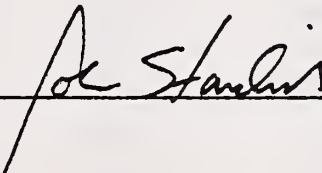
April 24, 1992

Envirocon, Inc.
P.O. Box 1154
Livingston, MT 59047

On April 7, 1992, these samples, represented by our laboratory numbers 92-12221 to 92-12237 were submitted to our laboratory for analysis.

The test results and quality assurance were reviewed and approved by the undersigned.

Reviewed by:



LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-11329
DATE: 04/16/92 da

AIR ANALYSIS

Livingston/BN
140101-SG-104
Sampled 03/24/92 @ 0952
Submitted 03/26/92
Analyzed 04/01/92

*Electric Shop
Effluent from
A.C. Riser in
Shop*

RECEIVED

APR 21 1992

ENVIROCON, Inc.
Livingston, Mt.

RECEIVED APR 21 1992

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	1200 *
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	8.1
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	3.7	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	1212
1,2-Dichloropropane	< 2.5		

*Value derived from a 132X dilution.

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-11328
DATE: 04/16/92 da

AIR ANALYSIS

Livingston/BN
140101-SG-103
Sampled 03/24/92 @ 0950
Submitted 03/26/92
Analyzed 04/01/92

*Electric Shop
Influent from
Transfer Pit Manway*

RECEIVED
APR 21 1992
ENVIROCON, Inc.
Livingston, MT.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	180 *	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	390 *
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	575
1,2-Dichloropropane	< 2.5		

*Value derived from a 26.5X dilution.



ENERGY LABORATORIES, INC.

P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-11327
DATE: 04/16/92 da

AIR ANALYSIS

Livingston/BN
140101-SG-102
Sampled 03/20/92 @ 0920
Submitted 03/26/92
Analyzed 04/01/92

Locomotive Shop
Sub

RECEIVED

APR 21 1992

ENVIROCON, Inc.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	94 *
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	94
1,2-Dichloropropane	< 2.5		

*Value derived from a 5X dilution.



ENERGY LABORATORIES, INC.

P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-11326
DATE: 04/16/92 da

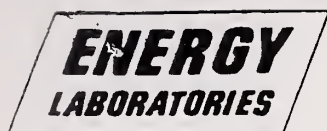
AIR ANALYSIS

Livingston/BN
140101-SG-101
Sampled 03/20/92 @ 0906
Submitted 03/26/92
Analyzed 04/01/92

*Inline Ant
Chamber - Inflow*
RECEIVED
APR 21 1992
ENVIROCON, Inc.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	730 *	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	12	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	3.4
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	872 *	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	9.8	Trichloroethene	< 2.5
1,4-Dichlorobenzene	140 *	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	3.0
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	2443
1,2-Dichloropropane	< 2.5		

*Value derived from a 26.5X dilution.



ENERGY LABORATORIES, INC.

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FAX (406) 252-6069 • 1-800-735-4489

MSLA

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047LAB NO.: 92-11325
DATE: 04/16/92 daAIR ANALYSISLivingston/BN
140101-SG-100
Sampled 03/20/92 @ 0842
Submitted 03/26/92
Analyzed 04/01/92WWTP Compound
Influent

RECEIVED

APR 21 1992

ENVIROCON, Inc.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	11	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	39 *
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	29
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	72 *	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	201
1,2-Dichloropropane	< 2.5		

*Value derived from a 5X dilution.

**ENERGY LABORATORIES, INC.**

P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: Blank
DATE: 04/16/92 da

AIR ANALYSIS

Method Blank
Analyzed 04/01/92

RECEIVED
APR 21 1992

ENVIROCON, Inc.
Livingston, Mt.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



ENERGY LABORATORIES, INC.

P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
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April 20, 1992

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APR 21 1992

ENERGY LABS, INC.
LIVINGSTON, MT.

Envirocon, Inc.
P.O. Box 1154
Livingston, MT 59047

On April 6, 1992, these samples, represented by our laboratory numbers 92-12124 to 92-12128, were submitted to our laboratory for analysis.

The test results and quality assurance were reviewed and approved by the undersigned.

Reviewed by:



ENERGY LABORATORIES, INC.

P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252 6325
FAX (406) 252-6069 • 1-800-735-4489

m 4/7/92

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-10410
DATE: 04/02/92 rh

AIR ANALYSIS

Livingston/BN
140101-SG-099
Sampled 03/09/92 @ 1006
Submitted 03/16/92
Analyzed 03/19/92

Electrical Shop
Inf

RECEIVED
APR 05 1992
ENVIROCON, INC.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	52 *
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	5.0
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	60
1,2-Dichloropropane	< 2.5		

* Value derived from a 5x dilution.

m 4/7/92



ENERGY LABORATORIES, INC.

P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-10410 dup
DATE: 04/02/92 rh

QUALITY ASSURANCE - DUPLICATE ANALYSIS

Livingston/BN
140101-SG-099
Sampled 03/09/92 @ 1006
Submitted 03/16/92
Analyzed 03/19/92

RECEIVED
APR 03 1992
ENVIROCON, Inc.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	48 *
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	5.3
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	56
1,2-Dichloropropane	< 2.5		

* Value derived from a 5x dilution.



ENERGY LABORATORIES, INC.

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4/7/92

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-10409
DATE: 04/02/92 rh

AIR ANALYSIS

Livingston/BN
140101-SG-098
Sampled 03/07/92 @ 1550
Submitted 03/16/92
Analyzed 03/19/92

Electric Shop
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ENVIROCON, Inc.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		

m 4/7/92



ENERGY LABORATORIES, INC.

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LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-10408
DATE: 04/02/92 rh

AIR ANALYSIS

Livingston/BN
140101-SG-097
Sampled 03/07/92 @ 1545
Submitted 03/16/92
Analyzed 03/19/92

*Electric Shop
Between units* RECEIVED
APR 03 1992
ENVIROCON, Inc.
Livingston, Mt.

Volatile Organic Constituentmg/m³Volatile Organic Constituentmg/m³

Benzene < 2.5
Bromobenzene < 2.5
Bromochloromethane < 2.5
Bromodichloromethane < 2.5
Bromoform < 2.5
Bromomethane < 2.5
n-Butylbenzene < 2.5
sec-Butylbenzene < 2.5
tert-Butylbenzene < 2.5
Carbon tetrachloride < 2.5
Chlorobenzene < 2.5
Chloroethane < 2.5
Chloroform < 2.5
Chloromethane < 2.5
2-Chlorotoluene < 2.5
4-Chlorotoluene < 2.5
1,2-Dibromo-3-chloropropane < 2.5
Dibromochloromethane < 2.5
1,2-Dibromoethane < 2.5
Dibromomethane < 2.5
1,2-Dichlorobenzene < 2.5
1,3-Dichlorobenzene < 2.5
1,4-Dichlorobenzene < 2.5
Dichlorodifluoromethane < 2.5
1,1-Dichloroethane < 2.5
1,2-Dichloroethane < 2.5
1,1-Dichloroethene < 2.5
cis-1,2-Dichloroethene < 2.5
trans-1,2-Dichloroethene < 2.5
1,2-Dichloropropane < 2.5

1,3-Dichloropropane < 2.5
2,2-Dichloropropane < 2.5
1,1-Dichloropropene < 2.5
cis-1,3-Dichloropropene < 2.5
trans-1,3-Dichloropropene < 2.5
Ethylbenzene < 2.5
Hexachlorobutadiene < 2.5
Isopropylbenzene < 2.5
p-Isopropyltoluene < 2.5
Methylene chloride < 2.5
Naphthalene < 2.5
n-Propylbenzene < 2.5
Styrene < 2.5
1,1,1,2-Tetrachloroethane < 2.5
1,1,2,2-Tetrachloroethane < 2.5
Tetrachloroethene < 2.5
Toluene < 2.5
1,2,3-Trichlorobenzene < 2.5
1,2,4-Trichlorobenzene < 2.5
1,1,1-Trichloroethane < 2.5
1,1,2-Trichloroethane < 2.5
Trichloroethane < 2.5
Trichlorofluoromethane < 2.5
1,2,3-Trichloropropane < 2.5
1,2,4-Trimethylbenzene < 2.5
1,3,5-Trimethylbenzene < 2.5
Vinyl chloride < 2.5
Xylenes < 2.5
Total VOC Response < 30

m4/7/92



ENERGY LABORATORIES, INC.

P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: Blank
DATE: 04/02/92 rh

AIR ANALYSIS

Method Blank
Analyzed 03/19/92

RECEIVED
APR 03 1992
ENVIROCON, Inc.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



ENERGY LABORATORIES, INC.

P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
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APR 03 1992

ENVIROCON, Inc.
Livingston, MT

April 2, 1992

Envirocon, Inc.
P.O. Box 1154
Livingston, MT 59047

On March 16, 1992, these samples, represented by our laboratory numbers 92-10407 to 92-10410 were submitted to our laboratory for analysis.

The test results and quality assurance were reviewed and approved by the undersigned.

Reviewed by:

A. Standish



ENERGY LABORATORIES, INC.

P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-9069
DATE: 03/25/92 crp

AIR ANALYSIS

Livingston/BN
140101-SG-096
Sampled 03/06/92 @ 1104
Submitted 03/09/92
Analyzed 03/19/92

*Electric Shop
Influent to
carbon unit*

RECEIVED

MAR 30 1992

ENVIROCON, Inc.
Livingston, Mt.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	60 *
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	7.8
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	4.0	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	72
1,2-Dichloropropane	< 2.5		

* Value derived from a 5x dilution.



ENERGY LABORATORIES, INC.

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FAX (406) 252-6069 • 1-800-735-4489

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-9068
DATE: 03/25/92 crp

AIR ANALYSIS

Livingston/BN
140101-SG-095
Sampled 03/06/92 @ 1050
Submitted 03/09/92
Analyzed 03/19/92

*Inding list
Chamber to
Influent to
Carbon unit*

RECEIVED
MAR 30 1992
ENVIROCON, Inc.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	890 *	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	11	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	15
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	740 *	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	13	Trichloroethene	< 2.5
1,4-Dichlorobenzene	150 *	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	4.6
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	3.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	2800
1,2-Dichloropropane	< 2.5		

* Value derived from a 26.5x dilution.

REMARKS: Non-identified VOC response appears to be branched chain hydrocarbons in the C9 to C11 boiling point range.



ENERGY LABORATORIES, INC.

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FAX (406) 252-6069 • 1-800-735-4489

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-9067
DATE: 03/25/92 crp

AIR ANALYSIS

Livingston/BN
140101-SG-094
Sampled 03/06/92 @ 1045
Submitted 03/09/92
Analyzed 03/19/92

*Indene first
chamber
Between carbon
units*

RECEIVED

MAR 30 1992

ENVIROCON, Inc.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



ENERGY LABORATORIES, INC.

P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-9066
DATE: 03/25/92 crp

AIR ANALYSIS

Livingston/BN
140101-SG-093
Sampled 03/06/92 @ 1038
Submitted 03/09/92
Analyzed 03/19/92

*Indline Brit
Chamber
& Effluent to
atmosphere*

RECEIVED
MAR 30 1992
ENVIROCON, Inc.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



ENERGY LABORATORIES, INC.

P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-9065
DATE: 03/25/92 crp

AIR ANALYSIS

Livingston/BN
140101-SG-092
Sampled 03/06/92 @ 0928
Submitted 03/09/92
Analyzed 03/19/92

*Locomotive Shop
Influenced to
Carbon units*

RECEIVED
MAR 30 1992
ENVIROCON, Inc.
Livingston, Mt.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	180 *
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	3.1	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	183
1,2-Dichloropropane	< 2.5		

* Value derived from a 5x dilution.

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-9064
DATE: 03/25/92 crp

AIR ANALYSIS

Livingston/BN
140101-SG-091
Sampled 03/06/92 @ 0926
Submitted 03/09/92
Analyzed 03/19/92

*Proactive Shop
Between,
carbon units*

RECEIVED
MAR 30 1992
ENVIROCON, Inc.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		

**ENERGY LABORATORIES, INC.**P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489**LABORATORY REPORT****TO:** Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047**LAB NO.:** 92-9063
DATE: 03/25/92 crp**AIR ANALYSIS**Livingston/BN
140101-SG-090
Sampled 03/06/92 @ 0924
Submitted 03/09/92
Analyzed 03/19/92*Locomotive Shop
Effluent to
atmosphere*
RECEIVED
MAR 30 1992
ENVIROCON, Inc.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		

**ENERGY LABORATORIES, INC.**P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489**LABORATORY REPORT****TO:** Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047**LAB NO.:** 92-9062
DATE: 03/25/92 crp**AIR ANALYSIS**Livingston/BN
140101-SG-089
Sampled 03/06/92 @ 0858
Submitted 03/09/92
Analyzed 03/19/92*WWTP Compound
Insufficient to
Carbon units***RECEIVED**
MAR 30 1992
ENVIROCON, Inc.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	12	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	42 *
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	21
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	104 *	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	228
1,2-Dichloropropane	< 2.5		

* Value derived from a 5x dilution.



ENERGY LABORATORIES, INC.

P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
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LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-9061
DATE: 03/25/92 crp

AIR ANALYSIS

Livingston/BN
140101-SG-088
Sampled 03/06/92 @ 0855
Submitted 03/09/92
Analyzed 03/18/92

*WWTP Compound
Between Carbon
units*
RECEIVED
MAR 30 1992
ENVIROCON, Inc.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



ENERGY LABORATORIES, INC.

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FAX (406) 252-6069 • 1-800-735-4489

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-9060
DATE: 03/25/92 crp

AIR ANALYSIS

Livingston/BN
140101-SG-087
Sampled 03/06/92 @ 0849
Submitted 03/09/92
Analyzed 03/18/92

*WWTP Compound
Effluent to
Atmosphere*

RECEIVED
MAR 30 1992
ENVIROCON Inc.
Livingston, MT.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



ENERGY LABORATORIES, INC.

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LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-9060 dup
DATE: 03/25/92 crp

QUALITY ASSURANCE - DUPLICATE ANALYSIS

Livingston/BN
140101-SG-087
Sampled 03/06/92 @ 0849
Submitted 03/09/92
Analyzed 03/18/92

*WTP Compound
Effluent to
atmosphere*
RECEIVED
MAR 30 1992
ENVIROCON, Inc.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		

**ENERGY LABORATORIES, INC.**P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489**LABORATORY REPORT****TO:** Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047**LAB NO.:** Method Blank
DATE: 03/25/92 crp**RECEIVED**
MAR 30 1992
ENVIROCON, Inc.
Livingston, MT**AIR ANALYSIS**Method Blank
Analyzed 03/19/92

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



ENERGY LABORATORIES, INC.

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MAR 30 1992
ENVIROCON, Inc.
Livingston, Mt.

March 26, 1992

Envirocon, Inc.
P.O. Box 1154
Livingston, MT 59047

On March 9, 1992 these samples, represented by our laboratory numbers 92-9060 to 92-9069, were submitted to our laboratory for analysis.

The test results and quality assurance were reviewed and approved by the undersigned.

Reviewed by: _____

A handwritten signature in cursive script, appearing to read "Joe Standish", written over a horizontal line.

m 3/19/92

**ENERGY
LABORATORIES****ENERGY LABORATORIES, INC.**P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489**LABORATORY REPORT**TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047LAB NO.: 92-8729
DATE: 03/17/92 rh**RECEIVED**AIR ANALYSISLivingston/BN
140101-SG-086
Sampled 03/01/92 @ 1520
Submitted 03/03/92
Analyzed 03/11/92*SVE Recommendation
Sic P
Ind. to Center
Ind. to Center*

MAR 18 1992

ENVIROCON, Inc.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	350 *
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	3.1
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	5:1	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5		
1,2-Dichloropropane	< 2.5		

* Exceeds linear range of curve.

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m 3/19/92

LABORATORY REPORT
TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
 Livingston, MT 59047

LAB NO.: 92-8728
DATE: 03/17/92 rh

AIR ANALYSIS

 Livingston/BN
 140101-SG-085
 Sampled 03/01/92 @ 1505
 Submitted 03/03/92
 Analyzed 03/11/92

 SVE.
 Indirect
 Chamber
 Indirect
 Carbon

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 ENVIROCON, Inc.
 Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	710 *	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	12	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	234 *	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	11	Trichloroethene	< 2.5
1,4-Dichlorobenzene	33	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5		
1,2-Dichloropropane	< 2.5		

* Exceeds linear range of curve.

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LABORATORIES****ENERGY LABORATORIES, INC.**P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
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M 3/10/92

LABORATORY REPORT

En: Envirocon, Inc.
 ADDRESS: P.O. Box 1154
 Livingston, MT 59047

LAB NO.: 92-8727
 DATE: 03/17/92 rh

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MAR 18 1992

ENVIROCON, INC.
Livingston, MT.**AIR ANALYSIS**

Livingston/BN
 140101-SG-084
 Sampled 03/01/92 @ 1422
 Submitted 03/03/92
 Analyzed 03/11/92

SVE
 WWTTP Compound
 Sub 1/2 Carbon
 units

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	14	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	29 *
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	27
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	96 *	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5		
1,2-Dichloropropane	< 2.5		

* Value derived from a 5x dilution of the sample.



ENERGY LABORATORIES, INC.

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LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-8727-29
DATE: 03/17/92 rh

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MAR 18 1992

ENVIROCON, Inc.
Livingston, MT

AIR ANALYSIS

Livingston/BN
Sampled 03/01/92
Submitted 03/03/92
Analyzed 03/11/92

<u>Lab No.</u>	<u>Identification</u>	<u>Total Volatiles Response, mg/m³</u>
92-8727	140101-SG-084, Sampled @ 1422 SUE WWT D	198
92-8728	140101-SG-085, Sampled @ 1505	1360
92-8729	140101-SG-086, Sampled @ 1520	358

Inf to Carbon units

m3/19/92

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ENERGY LABORATORIES, INC.

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MAR 18 1992

**ENVIROCON, Inc.
Livingston, MT**

March 17, 1992

Envirocon, Inc.
P.O. Box 1154
Livingston, MT 59047

On March 3, 1992, these samples, represented by our laboratory numbers 92-8727 to 92-8729 were submitted to our laboratory for analysis.

The test results and quality assurance were reviewed and approved by the undersigned.

Reviewed by: _____

for Standish

Department of Health and Environmental Science
Solid and Hazardous Waste Bureau

MAY 26 1992

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